

at said region which comprised or would comprise the interface with amino acids which are more hydrophilic.

3. (Amended) The DNA sequence according to claim 1 in which said modification is insertion of one or more hydrophilic amino acids in said region which comprised or would comprise the interface, or insertion of amino acids which increase the overall hydrophilicity in said region which comprised or would comprise the interface, or deletion of one or more hydrophobic amino acids in said region which comprised or would comprise the interface, or deletion of amino acids, said deletion leading to an increase in the overall hydrophilicity in said region which comprised or would comprise the interface.

4. (Amended) The DNA sequence according to claim 1 in which said modification consists of any two or more of:

- a) substitution of one or more amino acids at said region which comprised or would comprise the interface with amino acids which are more hydrophilic;[,]
- b) insertion of one or more hydrophilic amino acids in said region which comprised or would comprise the interface, or insertion of amino acids which increase the overall hydrophilicity in said region which comprised or would comprise the interface;[,]
- c) deletion of one or more hydrophobic amino acids in said region which comprised or would comprise the interface, or deletion of amino acids, said deletion leading to an increase in the overall hydrophilicity in

*Handwritten: N43, corrected*  
said region which comprised or would comprise the  
interface.

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6. (Amended) ~~The~~ DNA sequence according to [any of]  
claim[s] 1 [to 5] in which said parent IgSF domain is part of an  
IgSF fragment.

7. (Amended) ~~The~~ DNA sequence according to [any of]  
claim[s] 1 [to 6] in which said domain or fragment is derived from  
an antibody.

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13. (Amended) The DNA sequence according to [any of]  
claim[s] 1 [to 12], having a contiguous sequence which encodes one  
or more additional moieties.

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26. (Amended) A vector comprising a DNA sequence  
according to [any of] claim[s] 1 [to 25].

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28. (Amended) An IgSF domain or fragment, or a fusion  
protein comprising an IgSF domain or fragment, encoded by a DNA  
sequence according to [any of] claim[s] 1 [to 25], by a vector  
according to claim 26, or produced by a host cell according to  
claim 27].

29. (Amended) A diagnostic composition comprising an IgSF  
domain or fragment, or a fusion protein comprising an IgSF domain  
or fragment, according to:

i. claim 28;

ii. claim 35; or

iii. claim 36.